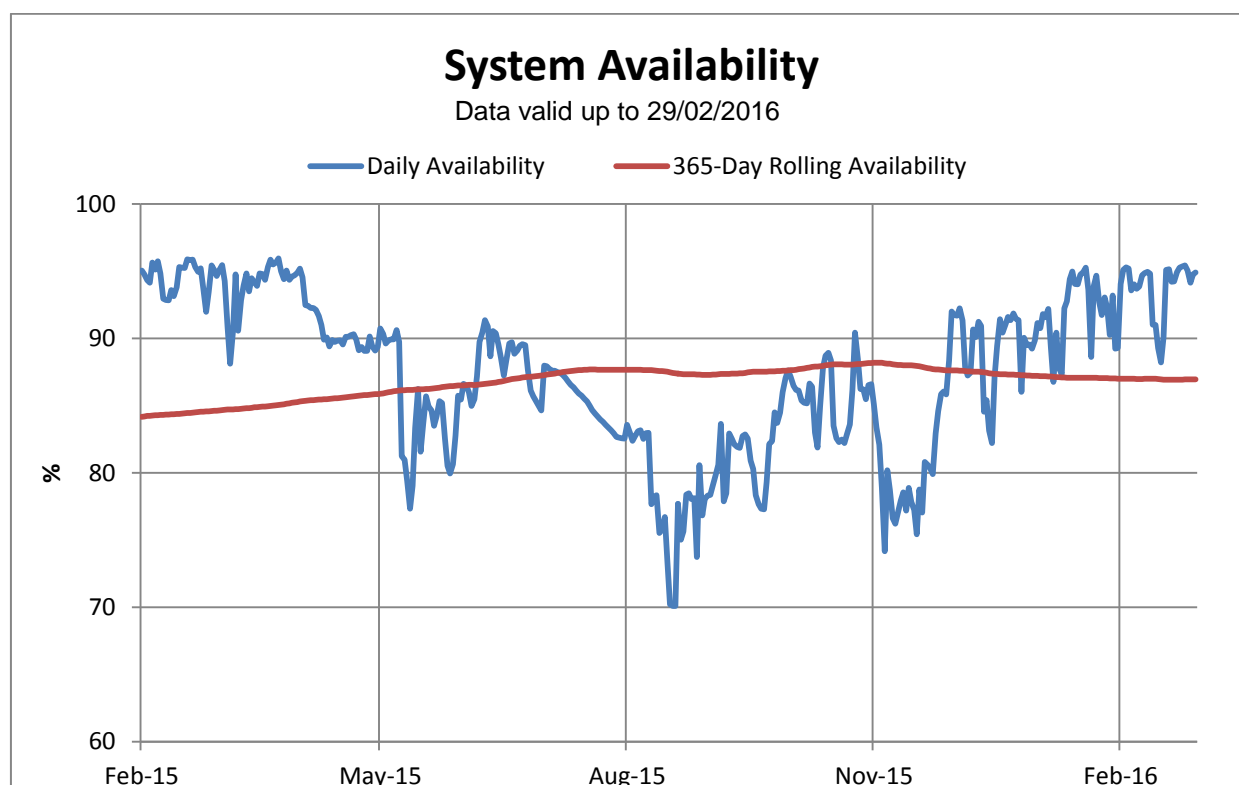


EirGrid Monthly Availability Report – February 2016

This report for February 2016, details the availability performance of the conventional generation units on the power system¹.

Key Points:

- The monthly forced outage rate decreased from 5.57% in January to 4.95% in February.
- The monthly system availability increased from 91.9% in January to 93.88% in February.
- The 365-day rolling availability decreased slightly in February 2016.



Definitions

Availability: the capacity-weighted percentage of the time that generators were available.

Forced: outages where generators are unavailable due to unforeseen/unplanned outages.

Scheduled: outages where generators are unavailable due to planned reasons, e.g., for maintenance.

Ambient (*seasonal derating*): difference between the **Maximum Capacity** of a generator and the **Dependable Capacity** over a specified period of time.

Maximum Capacity: the maximum capacity that a unit can sustain over a specified period of time.

Dependable Capacity: the capacity of a unit, when modified for ambient conditions over a specified period of time.

365-day Rolling Availability: the average of the unit's **Availability** over the most recent 365 days (i.e., past year)

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¹ Based on EDIL (Electronic Dispatch Instruction Logger) declarations.

Table 1: Unit-by-Unit Average Monthly Availability – February 2016

Unit-by-Unit Average Monthly Availability – February 2016						
Company	Unit	Capacity	Monthly Availability %	Monthly Forced %	Monthly Scheduled %	Monthly Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	95.59	0.00	0.00	4.41
	Seal Rock - SK4	85	96.20	0.12	0.00	3.68
Bord Gáis	Whitegate – WG1	444	99.84	0.00	0.00	0.16
Edenderry Power Ltd	Edenderry – ED1	118	99.96	0.04	0.00	0.00
	Edenderry – ED3	58	100.00	0.00	0.00	0.00
	Edenderry – ED5	58	100.00	0.00	0.00	0.00
SSE Generation Ireland	Great Island – GI4	461	99.71	0.00	0.00	0.29
	Rhode – RP1	52	99.92	0.08	0.00	0.00
	Rhode – RP2	52	100.00	0.00	0.00	0.00
	Tarbert – TB1	54	100.00	0.00	0.00	0.00
	Tarbert – TB2	54	100.00	0.00	0.00	0.00
	Tarbert – TB3	241	100.00	0.00	0.00	0.00
	Tarbert – TB4	243	91.07	8.93	0.00	0.00
	Tawnaghmore - TP1	52	97.56	2.44	0.00	0.00
Tawnaghmore - TP3	52	94.88	5.12	0.00	0.00	
ESB Energy Ireland	Aghada - AD1	258	100.00	0.00	0.00	0.00
	Aghada - AD2	431	99.93	0.00	0.00	0.07
	Aghada - AT1	90	100.00	0.00	0.00	0.00
	Aghada - AT2	90	100.00	0.00	0.00	0.00
	Aghada - AT4	90	100.00	0.00	0.00	0.00
	Ardnacrusa - AA1	21	95.03	1.04	3.93	0.00
	Ardnacrusa - AA2	22	99.83	0.12	0.05	0.00
	Ardnacrusa - AA3	19	99.46	0.09	0.45	0.00
	Ardnacrusa - AA4	24	72.25	3.55	24.20	0.00
	Erne - ER1	10	0.00	0.00	100.00	0.00
	Erne - ER2	10	98.23	0.53	1.24	0.00
	Erne - ER3	22	99.84	0.00	0.16	0.00
	Erne - ER4	22	99.84	0.00	0.16	0.00
	Lee - LE1	15	98.53	0.28	1.19	0.00
	Lee - LE2	4	98.68	0.00	1.32	0.00
	Lee - LE3	8	99.83	0.17	0.00	0.00
	Liffey - LI1	15	100.00	0.00	0.00	0.00
	Liffey - LI2	15	96.60	2.78	0.62	0.00
	Liffey - LI4	4	99.64	0.36	0.00	0.00
	Liffey - LI5	4	100.00	0.00	0.00	0.00
	Lough Ree Power - LR4	91	99.14	0.86	0.00	0.00
	Marina - MRC	123	98.95	0.00	0.00	1.05
	Moneypoint - MP1	285	78.84	21.16	0.00	0.00
	Moneypoint - MP2	285	99.81	0.19	0.00	0.00
	Moneypoint - MP3	285	96.49	3.51	0.00	0.00
	North Wall – NW5	104	98.15	0.00	0.00	1.85
	Poolbeg - PB4	154	99.78	0.00	0.00	0.22
Poolbeg - PB5	154	100.00	0.00	0.00	0.00	
Poolbeg - PB6	182	97.75	0.00	0.00	2.25	
Turlough Hill - TH1	73	100.00	0.00	0.00	0.00	
Turlough Hill - TH2	73	97.88	1.76	0.36	0.00	
Turlough Hill - TH3	73	100.00	0.00	0.00	0.00	
Turlough Hill - TH4	73	100.00	0.00	0.00	0.00	
West Offaly Power - WO4	137	95.39	3.61	1.00	0.00	
Indaver	Indaver – IW1	16	94.86	5.14	0.00	0.00
Synergen	Dublin Bay - DB1	405	99.42	0.02	0.00	0.56
Tynagh Energy Ltd	Tynagh – TYC	384	98.26	0.00	0.00	1.74
Viridian Power & Energy	Huntstown - HN2	400	98.15	0.00	0.00	1.85
	Huntstown - HNC	342	97.42	0.00	0.00	2.58
System Total Average Availability			93.88	4.95	0.60	0.57

Table 2: Unit-by-Unit 365 Day Rolling Availability – February 2015 to February 2016

Unit-by-Unit 365 Day Rolling Availability – February 2015 to February 2016						
Company	Unit	Capacity	Availability %	Forced %	Scheduled %	Ambient %
Aughinish Alumina Ltd	Seal Rock - SK3	85	89.40	2.66	1.36	6.58
	Seal Rock - SK4	85	90.31	0.96	2.86	5.87
Bord Gáis	Whitegate – WG1	444	95.90	0.88	2.49	0.73
Edenderry Power Ltd	Edenderry – ED1	118	82.70	14.01	3.29	0.00
	Edenderry – ED3	58	99.36	0.00	0.64	0.00
	Edenderry – ED5	58	99.01	0.11	0.88	0.00
SSE Generation Ireland	Great Island – GI4	461	84.90	10.57	4.07	0.46
	Rhode – RP1	52	93.74	2.51	3.75	0.00
	Rhode – RP2	52	95.91	0.34	3.75	0.00
	Tarbert – TB1	54	59.40	0.00	40.60	0.00
	Tarbert – TB2	54	64.85	0.26	34.89	0.00
	Tarbert – TB3	241	94.15	0.34	5.51	0.00
	Tarbert – TB4	243	97.76	2.14	0.10	0.00
	Tawnaghmore - TP1 Tawnaghmore - TP3	52 52	97.52 99.42	0.59 0.50	1.89 0.08	0.00 0.00
ESB Energy Ireland	Aghada - AD1	258	94.60	5.40	0.00	0.00
	Aghada - AD2	431	97.88	0.15	1.30	0.67
	Aghada - AT1	90	93.97	2.96	3.04	0.03
	Aghada - AT2	90	96.32	0.40	3.03	0.25
	Aghada - AT4	90	95.49	0.93	3.52	0.06
	Ardnacrusha - AA1	21	70.73	6.21	23.06	0.00
	Ardnacrusha - AA2	22	69.74	0.98	29.28	0.00
	Ardnacrusha - AA3	19	69.22	10.08	20.70	0.00
	Ardnacrusha - AA4	24	71.38	4.01	24.61	0.00
	Erne - ER1	10	0.00	0.00	100.00	0.00
	Erne - ER2	10	92.04	4.25	3.71	0.00
	Erne - ER3	22	97.77	0.68	1.55	0.00
	Erne - ER4	22	96.35	1.52	2.13	0.00
	Lee - LE1	15	85.00	2.21	12.79	0.00
	Lee - LE2	4	92.47	0.57	6.96	0.00
	Lee - LE3	8	91.90	0.23	7.87	0.00
	Liffey - LI1	15	40.97	0.02	59.01	0.00
	Liffey - LI2	15	42.58	0.27	57.15	0.00
	Liffey - LI4	4	42.27	0.05	57.68	0.00
	Liffey - LI5	4	98.76	0.04	1.20	0.00
	Lough Ree Power - LR4	91	95.89	0.55	3.56	0.00
	Marina - MRC	123	86.89	0.92	11.65	0.54
	Moneypoint - MP1	285	89.64	9.72	0.64	0.00
	Moneypoint - MP2	285	71.88	5.39	22.73	0.00
	Moneypoint - MP3	285	87.39	8.64	3.97	0.00
	North Wall – NW5	104	92.70	4.69	1.83	0.78
	Poolbeg - PB4	154	96.99	0.00	1.21	1.80
	Poolbeg - PB5	154	98.58	0.02	1.00	0.40
	Poolbeg - PB6	182	93.65	0.73	3.67	1.95
	Turlough Hill - TH1	73	96.20	0.59	3.21	0.00
Turlough Hill - TH2	73	96.05	0.62	3.33	0.00	
Turlough Hill - TH3	73	96.91	0.68	2.41	0.00	
Turlough Hill - TH4	73	97.32	0.35	2.33	0.00	
West Offaly Power - WO4	137	87.36	2.17	10.47	0.00	
Indaver	Indaver – IW1	16	90.28	9.72	0.00	0.00
Synergen	Dublin Bay - DB1	405	96.22	0.54	2.42	0.82
Tynagh Energy Ltd	Tynagh – TYC	384	95.93	0.12	1.66	2.29
Viridian Power & Energy	Huntstown - HN2	400	94.76	1.10	1.10	3.04
	Huntstown - HNC	342	92.98	0.20	3.75	3.07
System Total 365 Day Rolling Availability			88.53	5.75	4.86	0.86

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